



WESTATE DIESEL SYSTEMS

Centrifugal Filtration for Lubricants and Fluids
Mining - Industrial - Marine - Agriculture - Automotive



Spinner II® Model 996 Oil Cleaning Centrifuge

A Spinner II lube oil cleaning centrifuge is the most effective way to prolong the service life and reduce the maintenance costs of heavy-duty diesel engines. This highly efficient bypass filtration unit removes both large particles and fine sub-micron contaminants that accelerate engine wear and weaken oil additives. A Spinner II centrifuge extends engine life by up to 50%, lengthens service intervals*, increases equipment availability and cuts waste disposal costs.

Specifications

PRIMARY APPLICATIONS: heavy duty diesel and gas engines used in construction and mining vehicles and stationary equipment

SOLID PARTICLE REMOVAL: down to one-tenth of a micron or 0.0001mm

FLOW CAPACITY: 454 litres per hour

CENTRIFUGE POWER SOURCE: normal engine oil pressure or separate pump motor

SOLIDS HOLDING CAPACITY: > 1 kilo or 900 cubic centimetres

SERVICE PROCEDURE: remove and clean bowl by hand, reinstall

HOW SPINNER II CENTRIFUGES CUT YOUR OPERATING COSTS

Superior engine protection:

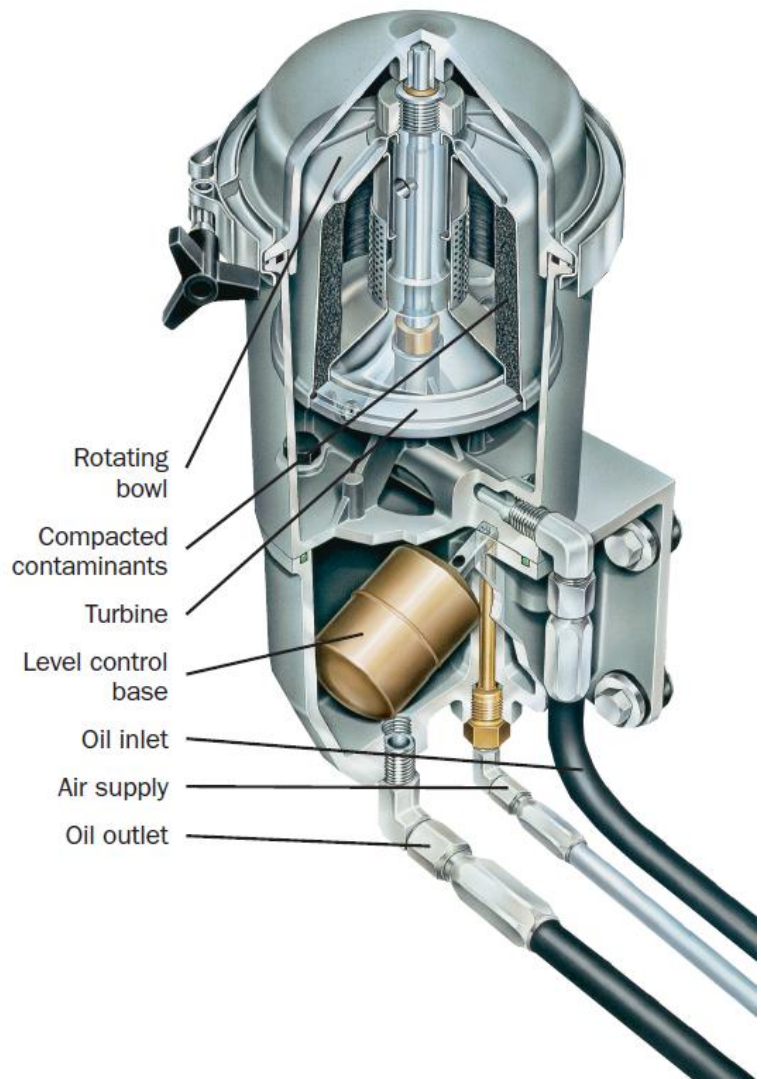
- Reduces engine wear by up to 50% for longer service life (contact Westate Diesel Systems for test reports)
- The only field-proven method for controlling higher soot loads generated by new, reduced emissions engines
- Maintains oil lubricity longer
- Prolongs the potency of oil additives
- Reduces frequency of maintenance and repair

Extends drain and service intervals:

- Extends oil & full-flow filter life, reducing material and labour expenses
- Lengthens service intervals, maximizing equipment availability
- Frees maintenance personnel for other work

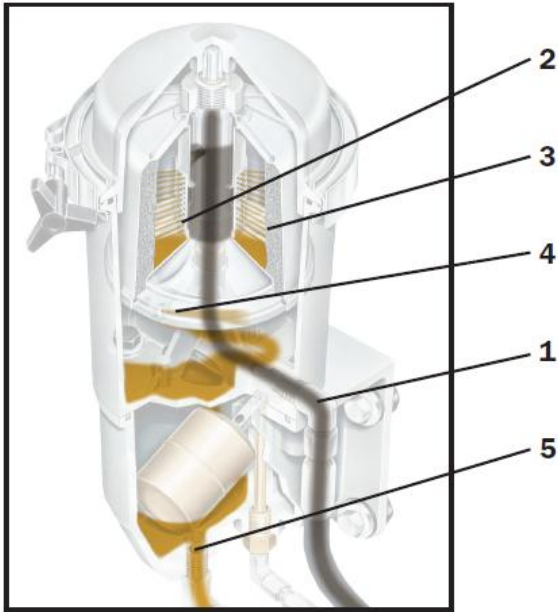
Cleanable, reusable, environmentally friendly:

- No filter elements to replace
- Simple to clean and reuse
- Reduces waste, cuts disposal costs and liabilities



*Intervals vary by application; contact Westate Diesel Systems for details.

Spinner II® Model 996 Oil Cleaning Centrifuge



Operation

- 1 Dirty oil flows through hollow spindle into rotating bowl under normal oil pump pressure
- 2 As oil passes through rotating bowl, centrifugal force separates oil and solid contaminants
- 3 Contaminants are deposited on bowl surface as solid cake
- 4 Clean oil exits through opposing, twin nozzles, powering the centrifuge in excess of 6,000 rpm
- 5 Clean oil returns to crankcase from level control base

Proven Performance

For over 40 years, Spinner II centrifuges have provided exceptional oil cleaning performance on millions of engines worldwide — including equipment manufactured by Caterpillar, Cummins, MTU Detroit Diesel, Perkins, Mack, Renault, DAF, Wartsila, Waukesha, White Superior, EMD, Alco, General Electric, Clark Bros., Ingersoll-Rand and many others. Over 40 OEM's have installed Spinner II centrifuges as standard or as an option on their equipment.

Spinner II Centrifuges for All Applications

Spinner II centrifuges are available for virtually any engine application, oil or fuel system. They can be specified on new equipment or easily retrofitted to existing units.

Six models available in gravity drain or air assisted and 19 configurations.



Model 25 - 3.5 litres per minute



Model 596HE - 7.5 litres per minute with disposable rotor



Model 996LCB - 7.5 litres per minute



Model 200HDLCB
15 litres per minute



Model 3400LCB - 30 litres per minute



Model 3600LCB - 60 litres per minute



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